

OIPE

## RAW SEQUENCE LISTING

DATE: 04/27/2001

PATENT APPLICATION: US/09/833,203

TIME: 13:10:04

Input Set : A:\1821 0020001 seq list.txt

Output Set: N:\CRF3\04272001\I833203.raw

5 <110> APPLICANT: Zauderer, Maurice  
 7       Smith, Ernest S.  
 11 <120> TITLE OF INVENTION: Targeted Vaccine Delivery Systems  
 15 <130> FILE REFERENCE: 1821.0020001  
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/833,203  
 C--> 19 <141> CURRENT FILING DATE: 2001-04-12  
 19 <150> PRIOR APPLICATION NUMBER: US 60/196,472  
 21 <151> PRIOR FILING DATE: 2000-04-12  
 25 <160> NUMBER OF SEQ ID NOS: 63  
 29 <170> SOFTWARE: PatentIn version 3.0  
 33 <210> SEQ ID NO: 1  
 35 <211> LENGTH: 10  
 37 <212> TYPE: DNA  
 39 <213> ORGANISM: Artificial Sequence  
 43 <220> FEATURE:  
 45 <221> NAME/KEY: misc\_feature  
 47 <223> OTHER INFORMATION: Primer  
 51 <220> FEATURE:  
 53 <221> NAME/KEY: Unsure  
 55 <222> LOCATION: (10)..(10)  
 57 <223> OTHER INFORMATION: May be any nucleotide  
 61 <400> SEQUENCE: 1  
 W--> 62 **aatgctagcn** 10  
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 67 <211> LENGTH: 16  
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 71 <213> ORGANISM: Artificial Sequence  
 75 <220> FEATURE:  
 77 <221> NAME/KEY: misc\_feature  
 79 <223> OTHER INFORMATION: Primer  
 83 <220> FEATURE:  
 85 <221> NAME/KEY: Unsure  
 87 <222> LOCATION: (16)..(16)  
 89 <223> OTHER INFORMATION: May be any nucleotide  
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 W--> 94 **atttctagaa cttacn** 16  
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 103 <213> ORGANISM: Artificial Sequence  
 107 <220> FEATURE:  
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 111 <223> OTHER INFORMATION: Primer  
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 116 aattctagag tctgtcccta acatgccc 28  
 119 <210> SEQ ID NO: 4  
 121 <211> LENGTH: 28

ENTERED

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125 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
131 <221> NAME/KEY: misc_feature
133 <223> OTHER INFORMATION: Primer
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143 <211> LENGTH: 24
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147 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
153 <221> NAME/KEY: misc_feature
155 <223> OTHER INFORMATION: Primer
159 <400> SEQUENCE: 5
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163 <210> SEQ ID NO: 6
165 <211> LENGTH: 27
167 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
177 <223> OTHER INFORMATION: Primer
181 <400> SEQUENCE: 6
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185 <210> SEQ ID NO: 7
187 <211> LENGTH: 10
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191 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
197 <221> NAME/KEY: misc_feature
199 <223> OTHER INFORMATION: HLA Adapter
203 <400> SEQUENCE: 7
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206 1                5                10
208 <210> SEQ ID NO: 8
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212 <212> TYPE: DNA
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218 <220> FEATURE:
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222 <223> OTHER INFORMATION: HLA Adapter
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232 <211> LENGTH: 42
234 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:

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252 <210> SEQ ID NO: 10
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258 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
266 <223> OTHER INFORMATION: Primer
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274 <210> SEQ ID NO: 11
276 <211> LENGTH: 32
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306 <220> FEATURE:
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310 <223> OTHER INFORMATION: Primer
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328 <220> FEATURE:
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332 <223> OTHER INFORMATION: Primer
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350 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
354 <223> OTHER INFORMATION: Primer
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359 aaagctagca tcaaagaaga acatgtgatc 30

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388 <212> TYPE: DNA
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394 <220> FEATURE:
396 <221> NAME/KEY: misc_feature
398 <223> OTHER INFORMATION: DRA Adapter 1
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403 cggcgggggc ggctctggcg gcggcggctc tg          32
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408 <211> LENGTH: 40
410 <212> TYPE: DNA
412 <213> ORGANISM: Artificial Sequence
416 <220> FEATURE:
418 <221> NAME/KEY: misc_feature
420 <223> OTHER INFORMATION: DRA Adapter 1
424 <400> SEQUENCE: 17
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430 <211> LENGTH: 60
432 <212> TYPE: PRT
434 <213> ORGANISM: Artificial Sequence
438 <220> FEATURE:
440 <221> NAME/KEY: misc_feature
442 <223> OTHER INFORMATION: Spacer
446 <400> SEQUENCE: 18
448 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
449 1          5          10          15
451 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
452          20          25          30
454 Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
455          35          40          45
457 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
458          50          55          60
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462 <211> LENGTH: 30
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466 <213> ORGANISM: Artificial Sequence
470 <220> FEATURE:
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Input Set : A:\1821 0020001 seq list.txt

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474 <223> OTHER INFORMATION: Spacer
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481 1 5 10 15
483 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
484 20 25 30
486 <210> SEQ ID NO: 20
488 <211> LENGTH: 29
490 <212> TYPE: DNA
492 <213> ORGANISM: Artificial Sequence
496 <220> FEATURE:
498 <221> NAME/KEY: misc_feature
500 <223> OTHER INFORMATION: Primer
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505 aaaggtaccc atcttgetct gtgcagatt 29
508 <210> SEQ ID NO: 21
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512 <212> TYPE: DNA
514 <213> ORGANISM: Artificial Sequence
518 <220> FEATURE:
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522 <223> OTHER INFORMATION: Primer
526 <400> SEQUENCE: 21
527 aaaactagta tcaaaqaaga acatgtgatc 30
530 <210> SEQ ID NO: 22
532 <211> LENGTH: 36
534 <212> TYPE: DNA
536 <213> ORGANISM: Artificial Sequence
540 <220> FEATURE:
542 <221> NAME/KEY: misc_feature
544 <223> OTHER INFORMATION: Primer
548 <400> SEQUENCE: 22
549 ttgqaattct tagttctctg tagtctctgg gagagg 36
552 <210> SEQ ID NO: 23
554 <211> LENGTH: 29
556 <212> TYPE: DNA
558 <213> ORGANISM: Artificial Sequence
562 <220> FEATURE:
564 <221> NAME/KEY: misc_feature
566 <223> OTHER INFORMATION: DRA 2
570 <400> SEQUENCE: 23
571 cggcggcggc ggctctggcg gcggcggca 29
574 <210> SEQ ID NO: 24
576 <211> LENGTH: 37
578 <212> TYPE: DNA
580 <213> ORGANISM: Artificial Sequence
584 <220> FEATURE:
586 <221> NAME/KEY: misc_feature
588 <223> OTHER INFORMATION: DRA 2

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/833,203

DATE: 04/27/2001

TIME: 13:10:05

Input Set : A:\1821 0020001 seq list.txt

Output Set: N:\CRF3\04272001\I833203.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2